

OIP/E

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/476,290

CRF Processing Date: 8/22/2001

Edited by: A (STIC sta

Verified by: A #7

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING

DATE: 08/22/2001

PATENT APPLICATION: US/09/476,290

TIME: 17:13:38

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08162001\I476290.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: JOHNSON JR, EUGENE M

7 MILBRANDT, JEFFREY D

8 KOTZBAUER, PAUL T

9 LAMPE, PATRICIA A

11 (ii) TITLE OF INVENTION: NEURTURIN AND RELATED GROWTH FACTORS

13 (iii) NUMBER OF SEQUENCES: 169

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: HOWELL & HAFERKAMP, L.C.

17 (B) STREET: 7733 FORSYTH BOULEVARD, SUITE 1400

18 (C) CITY: ST. LOUIS

19 (D) STATE: MISSOURI

20 (E) COUNTRY: US

21 (F) ZIP: 63105-1817

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Floppy disk

25 (B) COMPUTER: IBM PC compatible

26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

29 (vi) CURRENT APPLICATION DATA:

C--> 30 (A) APPLICATION NUMBER: US/09/476,290

C--> 31 (B) FILING DATE: 13-Apr-1998

32 (C) CLASSIFICATION:

34 (viii) ATTORNEY/AGENT INFORMATION:

35 (A) NAME: HOLLAND, DONALD R

36 (B) REGISTRATION NUMBER: 35,197

37 (C) REFERENCE/DOCKET NUMBER: 6029-3161

38 (ix) TELECOMMUNICATION INFORMATION:

39 (A) TELEPHONE: (314) 727-5188

40 (B) TELEFAX: (314) 727-6092

43 (2) INFORMATION FOR SEQ ID NO: 1:

45 (i) SEQUENCE CHARACTERISTICS:

46 (A) LENGTH: 102 amino acids

47 (B) TYPE: amino acid

48 (D) TOPOLOGY: linear

50 (ii) MOLECULE TYPE: protein

54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

56 Ala Arg Leu Gly Ala Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg

57 1 5 10 15

59 Val Ser Glu Leu Gly Leu Gly Tyr Ala Ser Asp Glu Thr Val Leu Phe

60 20 25 30

62 Arg Tyr Cys Ala Gly Ala Cys Glu Ala Ala Arg Val Tyr Asp Leu

63 35 40 45

65 Gly Leu Arg Arg Leu Arg Gln Arg Arg Arg Leu Arg Arg Glu Arg Val

66 50 55 60

68 Arg Ala Gln Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser

RAW SEQUENCE LISTING

DATE: 08/22/2001

PATENT APPLICATION: US/09/476,290

TIME: 17:13:38

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08162001\I476290.raw

```

69      65      70      75      80
71      Phe Leu Asp Ala His Ser Arg Tyr His Thr Val His Glu Leu Ser Ala
72      85      90      95
74      Arg Glu Cys Ala Cys Val
75      100

```

77 (2) INFORMATION FOR SEQ ID NO: 2:

79 (i) SEQUENCE CHARACTERISTICS:

80 (A) LENGTH: 100 amino acids

81 (B) TYPE: amino acid

82 (D) TOPOLOGY: linear

84 (ii) MOLECULE TYPE: protein

88 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

```

90      Pro Gly Ala Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg Val Ser
91      1      5      10      15
93      Glu Leu Gly Leu Gly Tyr Thr Ser Asp Glu Thr Val Leu Phe Arg Tyr
94      20      25      30
96      Cys Ala Gly Ala Cys Glu Ala Ala Ile Arg Ile Tyr Asp Leu Gly Leu
97      35      40      45
99      Arg Arg Leu Arg Gln Arg Arg Val Arg Arg Glu Arg Ala Arg Ala
100     50      55      60
102     His Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser Phe Leu
103     65      70      75      80
105     Asp Val His Ser Arg Tyr His Thr Leu Gln Glu Leu Ser Ala Arg Glu
106     85      90      95
108     Cys Ala Cys Val
109     100

```

111 (2) INFORMATION FOR SEQ ID NO: 3:

113 (i) SEQUENCE CHARACTERISTICS:

114 (A) LENGTH: 16 amino acids

115 (B) TYPE: amino acid

116 (D) TOPOLOGY: linear

118 (ii) MOLECULE TYPE: peptide

121 (ix) FEATURE:

122 (A) NAME/KEY: Modified-site

123 (B) LOCATION: 6

124 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"

127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

```

W--> 129     Ser Gly Ala Arg Pro Xaa Gly Leu Arg Glu Leu Glu Val Ser Val Ser
130     1      5      10      15

```

133 (2) INFORMATION FOR SEQ ID NO: 4:

135 (i) SEQUENCE CHARACTERISTICS:

136 (A) LENGTH: 10 amino acids

137 (B) TYPE: amino acid

138 (D) TOPOLOGY: linear

140 (ii) MOLECULE TYPE: peptide

143 (ix) FEATURE:

144 (A) NAME/KEY: Modified-site

145 (B) LOCATION: 1

146 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"

RAW SEQUENCE LISTING

DATE: 08/22/2001

PATENT APPLICATION: US/09/476,290

TIME: 17:13:38

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08162001\I476290.raw

```

148 (ix) FEATURE:
149 (A) NAME/KEY: Modified-site
150 (B) LOCATION: 6
151 (D) OTHER INFORMATION: /note= "SERINE OR CYSTEINE"
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 156 Xaa Cys Ala Gly Ala Xaa Glu Ala Ala Val
157 1 5 10
159 (2) INFORMATION FOR SEQ ID NO: 5:
161 (i) SEQUENCE CHARACTERISTICS:
162 (A) LENGTH: 23 amino acids
163 (B) TYPE: amino acid
164 (D) TOPOLOGY: linear
166 (ii) MOLECULE TYPE: peptide
169 (ix) FEATURE:
170 (A) NAME/KEY: Modified-site
171 (B) LOCATION: 1
172 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"
174 (ix) FEATURE:
175 (A) NAME/KEY: Modified-site
176 (B) LOCATION: 2
177 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"
179 (ix) FEATURE:
180 (A) NAME/KEY: Modified-site
181 (B) LOCATION: 17
182 (D) OTHER INFORMATION: /note= "GLUTAMINE OR GLUTAMIC ACID"
185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
W--> 187 Xaa Xaa Val Glu Ala Lys Pro Cys Cys Gly Pro Thr Ala Tyr Glu Asp
188 1 5 10 15
W--> 190 Xaa Val Ser Phe Leu Ser Val
191 20
193 (2) INFORMATION FOR SEQ ID NO: 6:
195 (i) SEQUENCE CHARACTERISTICS:
196 (A) LENGTH: 10 amino acids
197 (B) TYPE: amino acid
198 (D) TOPOLOGY: linear
200 (ii) MOLECULE TYPE: peptide
204 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
206 Tyr His Thr Leu Gln Glu Leu Ser Ala Arg
207 1 5 10
209 (2) INFORMATION FOR SEQ ID NO: 7:
211 (i) SEQUENCE CHARACTERISTICS:
212 (A) LENGTH: 197 amino acids
213 (B) TYPE: amino acid
214 (D) TOPOLOGY: linear
216 (ii) MOLECULE TYPE: protein
220 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
222 Met Gln Arg Trp Lys Ala Ala Ala Leu Ala Ser Val Leu Cys Ser Ser
223 1 5 10 15
225 Val Leu Ser Ile Trp Met Cys Arg Glu Gly Leu Leu Leu Ser His Arg

```

RAW SEQUENCE LISTING

DATE: 08/22/2001

PATENT APPLICATION: US/09/476,290

TIME: 17:13:39

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08162001\I476290.raw

```

226          20          25          30
228  Leu Gly Pro Ala Leu Val Pro Leu His Arg Leu Pro Arg Thr Leu Asp
229          35          40          45
231  Ala Arg Ile Ala Arg Leu Ala Gln Tyr Arg Ala Leu Leu Gln Gly Ala
232          50          55          60
234  Pro Asp Ala Met Glu Leu Arg Glu Leu Thr Pro Trp Ala Gly Arg Pro
235  65          70          75          80
237  Pro Gly Pro Arg Arg Arg Ala Gly Pro Arg Arg Arg Arg Ala Arg Ala
238          85          90          95
240  Arg Leu Gly Ala Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg Val
241          100          105          110
243  Ser Glu Leu Gly Leu Gly Tyr Ala Ser Asp Glu Thr Val Leu Phe Arg
244          115          120          125
246  Tyr Cys Ala Gly Ala Cys Glu Ala Ala Ala Arg Val Tyr Asp Leu Gly
247          130          135          140
249  Leu Arg Arg Leu Arg Gln Arg Arg Arg Leu Arg Arg Glu Arg Val Arg
250  145          150          155          160
252  Ala Gln Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser Phe
253          165          170          175
255  Leu Asp Ala His Ser Arg Tyr His Thr Val His Glu Leu Ser Ala Arg
256          180          185          190
258  Glu Cys Ala Cys Val
259          195

```

261 (2) INFORMATION FOR SEQ ID NO: 8:

263 (i) SEQUENCE CHARACTERISTICS:

264 (A) LENGTH: 195 amino acids

265 (B) TYPE: amino acid

266 (D) TOPOLOGY: linear

268 (ii) MOLECULE TYPE: protein

272 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

```

274  Met Arg Arg Trp Lys Ala Ala Ala Leu Val Ser Leu Ile Cys Ser Ser
275  1          5          10          15
277  Leu Leu Ser Val Trp Met Cys Gln Glu Gly Leu Leu Leu Gly His Arg
278          20          25          30
280  Leu Gly Pro Ala Leu Ala Pro Leu Arg Arg Pro Pro Arg Thr Leu Asp
281          35          40          45
283  Ala Arg Ile Ala Arg Leu Ala Gln Tyr Arg Ala Leu Leu Gln Gly Ala
284          50          55          60
286  Pro Asp Ala Val Glu Leu Arg Glu Leu Ser Pro Trp Ala Ala Arg Ile
287  65          70          75          80
289  Pro Gly Pro Arg Arg Arg Ala Gly Pro Arg Arg Arg Arg Ala Arg Pro
290          85          90          95
292  Gly Ala Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg Val Ser Glu
293          100          105          110
295  Leu Gly Leu Gly Tyr Thr Ser Asp Glu Thr Val Leu Phe Arg Tyr Cys
296          115          120          125
298  Ala Gly Ala Cys Glu Ala Ala Ile Arg Ile Tyr Asp Leu Gly Leu Arg
299          130          135          140
301  Arg Leu Arg Gln Arg Arg Arg Val Arg Arg Glu Arg Ala Arg Ala His

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RAW SEQUENCE LISTING

DATE: 08/22/2001

PATENT APPLICATION: US/09/476,290

TIME: 17:13:39

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08162001\I476290.raw

```

302      145      150      155      160
304      Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser Phe Leu Asp
305      165      170      175
307      Val His Ser Arg Tyr His Thr Leu Gln Glu Leu Ser Ala Arg Glu Cys
308      180      185      190
310      Ala Cys Val
311      195
313 (2) INFORMATION FOR SEQ ID NO: 9:
315 (i) SEQUENCE CHARACTERISTICS:
316 (A) LENGTH: 306 base pairs
317 (B) TYPE: nucleic acid
318 (C) STRANDEDNESS: single
319 (D) TOPOLOGY: linear
321 (ii) MOLECULE TYPE: cDNA
325 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
327 GCGCGGTTGG GGGCGCGGCC TTGCGGGCTG CGCGAGCTGG AGGTGCGCGT GAGCGAGCTG      60
329 GGCTTGGGCT ACGCGTCCGA CGAGACGGTG CTGTTCCGCT ACTGCGCAGG CGCCTGCGAG      120
331 GCTGCCGCGC GCGTCTACGA CCTCGGGCTG CGACGACTGC GCCAGCGGCG GCGCCTGCGG      180
333 CGGGAGCGGG TGC GCGCGCA GCCCTGCTGC CGCCCGACGG CCTACGAGGA CGAGGTGTCC      240
335 TTCCTGGACG CGCACAGCCG CTACCACACG GTGCACGAGC TGTCGGCGCG CGAGTGCGCC      300
337 TCGGTG      306
339 (2) INFORMATION FOR SEQ ID NO: 10:
341 (i) SEQUENCE CHARACTERISTICS:
342 (A) LENGTH: 300 base pairs
343 (B) TYPE: nucleic acid
344 (C) STRANDEDNESS: single
345 (D) TOPOLOGY: linear
347 (ii) MOLECULE TYPE: cDNA
351 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
353 CCGGGGGCTC GGCCTTGTGG GCTGCGCGAG CTCGAGGTGC GCGTGAGCGA GCTGGGCCTG      60
355 GGCTACACGT CGGATGAGAC CGTGCTGTTC CGCTACTGCG CAGGCGCGTG CGAGGCGGCC      120
357 ATCCGCATCT ACGACCTGGG CCTTCGGCGC CTGCGCCAGC GGAGGCGCGT GCGCAGAGAG      180
359 CGGGCGCGGG CGCACCCGTG TTGTCGCCCC ACGGCCTATG AGGACGAGGT GTCCTTCCTG      240
361 GACGTGCACA GCCGCTACCA CACGCTGCAA GAGCTGTCTG CGCGGGAGTG CGCGTGCGTG      300
364 (2) INFORMATION FOR SEQ ID NO: 11:
366 (i) SEQUENCE CHARACTERISTICS:
367 (A) LENGTH: 591 base pairs
368 (B) TYPE: nucleic acid
369 (C) STRANDEDNESS: single
370 (D) TOPOLOGY: linear
372 (ii) MOLECULE TYPE: cDNA
376 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
378 ATGCAGCGCT GGAAGGCGGC GGCCTTGGCC TCAGTGCTCT GCAGCTCCGT GCTGTCCATC      60
380 TGGATGTGTC GAGAGGGCCT GCTTCTCAGC CACCGCCTCG GACCTGCGCT GGTCCCCCTG      120
382 CACCGCCTGC CTCGAACCTT GGACGCCCGG ATTGCCCGCC TGGCCAGTA CCGTGCACTC      180
384 CTGCAGGGGG CCCCGGATGC GATGGAGCTG CGCGAGCTGA CGCCCTGGGC TGGGCGGCCC      240
386 CCAGGTCCGC GCCGTCGGGC GGGGCCCCGG CGGCGGCGCG CGCGTGCGCG GTTGGGGGCG      300
388 CGGCCTTGCG GGCTGCGCGA GCTGGAGGTG CGCGTGAGCG AGCTGGGCCT GGGCTACGCG      360
390 TCCGACGAGA CCGTGCTGTT CCGCTACTGC GCAGGCGCCT GCGAGGCTGC CGCGCGCGTC      420

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/476,290

DATE: 08/22/2001

TIME: 17:13:40

Input Set : A:\Pto.amc

Output Set: N:\CRF3\08162001\I476290.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49

OIPE

RAW SEQUENCE LISTING

DATE: 07/24/2001

PATENT APPLICATION: US/09/476,290

TIME: 11:17:20

Input Set : A:\6029-2669.txt

Output Set: N:\CRF3\07242001\I476290.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: JOHNSON JR, EUGENE M

7 MILBRANDT, JEFFREY D

8 KOTZBAUER, PAUL T

9 LAMPE, PATRICIA A

11 (ii) TITLE OF INVENTION: NEURTURIN AND RELATED GROWTH FACTORS

13 (iii) NUMBER OF SEQUENCES: 169

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: HOWELL & HAERKAMP, L.C.

17 (B) STREET: 7733 FORSYTH BOULEVARD, SUITE 1400

18 (C) CITY: ST. LOUIS

19 (D) STATE: MISSOURI

20 (E) COUNTRY: US

21 (F) ZIP: 63105-1817

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Floppy disk

25 (B) COMPUTER: IBM PC compatible

26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

29 (vi) CURRENT APPLICATION DATA:

C--> 30 (A) APPLICATION NUMBER: US/09/476,290

C--> 31 (B) FILING DATE: 30-Dec-1999

32 (C) CLASSIFICATION:

34 (viii) ATTORNEY/AGENT INFORMATION:

35 (A) NAME: HOLLAND, DONALD R

36 (B) REGISTRATION NUMBER: 35,197

37 (C) REFERENCE/DOCKET NUMBER: 6029-3161

38 (ix) TELECOMMUNICATION INFORMATION:

39 (A) TELEPHONE: (314) 727-5188

40 (B) TELEFAX: (314) 727-6092

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

4608 (2) INFORMATION FOR SEQ ID NO: 169:

4610 (i) SEQUENCE CHARACTERISTICS:

4611 (A) LENGTH: 450 base pairs

4612 (B) TYPE: nucleic acid

4613 (C) STRANDEDNESS: single

4614 (D) TOPOLOGY: linear

4616 (ii) MOLECULE TYPE: cDNA

4621 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 169:

4623	ACCCTGGACG CCCGCATCGC CCGCCTGGCC CAGTATCGCG CTCTGCTCCA GGGCGCCCCC	60
4625	GACGCGGTGG AGCTTCGAGA ACTTTCTCCC TGGGCTGCCC GCATCCCGGG ACCGCGCCGT	120
4627	CGAGCGGGTC CCGGGCGTCG GCGGGCGCGG CCGGGGGCTC GGCCTTGTGG GCTGCGCGAG	180
4629	CTCGAGGTGC GCGTGAGCGA GCTGGGCCTG GGCTACACGT CGGATGAGAC CGTGCTGTTC	240

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/476,290

DATE: 07/24/2001

TIME: 11:17:20

Input Set : A:\6029-2669.txt

Output Set: N:\CRF3\07242001\I476290.raw

4631	CGCTACTGCG	CAGGCGCGTG	CGAGGCGGCC	ATCCGCATCT	ACGACCTGGG	CCTTCGGCGC	300
4633	CTGCGCCAGC	GGAGGCGCGT	GCGCAGAGAG	CGGGCGCGGG	CGCACCCGTG	TTGTCGCCCC	360
4635	ACGGCCTATG	AGGACGAGGT	GTCCTTCCTG	GACGTGCACA	GCCGCTACCA	CACGCTGCAA	420
4637	GAGCTGTCGG	CGGGGAGTG	CGCGTGCGTG				450

W--> 4643 1

E--> 4646 62433215.doc

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/476,290

DATE: 07/24/2001

TIME: 11:17:21

Input Set : A:\6029-2669.txt

Output Set: N:\CRF3\07242001\I476290.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:1149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:4643 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:169
L:4646 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:4646 M:333 E: Wrong sequence grouping, Amino acids not in groups!